

IN THE CLAIMS:

1. (Currently Amended) A brushless motor formed with having full-pitch windings in three phases, said motor comprising a rotor and a stator, said stator having an axial direction, the stator comprising a stator core having comprising a plurality of coils, a yoke, teeth, and slots each formed located between a pair of adjacent teeth, the teeth being three times in number of poles of the rotor, wherein

each of said coils of each phases are inserted in phase is located in one of the slots in a one coil per one slot manner, the coils each having coil ends shaped in the axial direction of the stator., wherein the coil ends of each coil of said plurality of coils corresponding to a phase are located at an end surface of the stator core such that: a first coil is located outside the second and third coils, in a place where the second and third coils are located in a pair of slots adjacent each other; the second coil is located from inside the first coil to outside the third coil, in a place where the first and third coils are located in another pair of slots adjacent each other; and the third coil is located inside the first and second

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coils, in a place where the first and second coils are located  
in still another pair of slots adjacent each other.

2. (Cancelled)

3. (Currently Amended) The brushless motor according to  
claim 1—or—2, wherein the coils are formed by full-pitch  
windingwound coils.

4. (Currently Amended) The brushless motor according to  
claim 1—or—2, wherein the rotor has six poles and the stator has  
eighteen slots.

5. (Previously Presented) The brushless motor according  
claim 3, wherein the rotor has six poles and the stator has  
eighteen slots.

6. (Withdrawn) The brushless motor according to claim 1  
or 2, wherein the motor is driven by sinusoidal wave driving.

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7. (Withdrawn) The brushless motor according to claim 3,  
wherein the motor is driven by sinusoidal wave driving.

8. (Withdrawn) The brushless motor according to claim 4,  
wherein the motor is driven by sinusoidal wave driving.

9. (Withdrawn) A machine including the brushless motor  
according to claim 1 or 2.

10. (Withdrawn) A machine including the brushless motor  
according to claim 3.

11. (Withdrawn) A machine including the brushless motor  
according to claim 4.

12. (Withdrawn) A machine including the brushless motor  
according to claim 5.

13. (Withdrawn) An hermetic compressor including the  
brushless motor according to claim 1.

14. (Withdrawn) An hermetic compressor including the brushless motor according to claim 3.

15. (Withdrawn) An hermetic compressor including the brushless motor according to claim 4.

16. (Withdrawn) An hermetic compressor including the brushless motor according to claim 6.

17. (Withdrawn) The hermetic compressor according to claim 13, wherein a refrigerant used in the hermetic compressor is R134a.

18. (Withdrawn) The hermetic compressor according to claim 13, wherein the coils of the brushless motor are formed by full-pitch winding and a refrigerant used in the hermetic compressor is R134a.

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19. (Withdrawn) The hermetic compressor according to claim 13, wherein the coils of the brushless motor are formed by full-pitch winding.

20. (Withdrawn) A machine including the hermetic compressor according to claim 13.

21. (Withdrawn) A machine including the hermetic compressor according to claim 17.

22. (Withdrawn) The machine according to claim 21, wherein the coils of the brushless motor are formed by full-pitch winding.